

HAGAIMOZES

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Software developer specializing in networking and firmware, building production-grade AI agents and tools.

EXPERIENCE

NVIDIA *Software Developer, Firmware Verification* 2023 — Present

- Owned firmware verification for Co-Packaged Optics (CPO), establishing a greenfield environment for a highly complex frontier technology through technical research, experimentation, and alignment across multiple teams.
- Ideated, built, and productionized CPO Monitor — an AI-assisted diagnostics and remediation tool for laser and system status, adopted broadly across CPO engineering teams.
 - Won 2nd place in the NVIDIA Networking Hackathon for the original CPO Monitor concept.
- Owned Memory Map Validator end-to-end: core functionality, Confluence-based requirements tracking, automation, maintenance, user support, and reporting for production, hardware, and design LinkX teams.
- Pioneered LLM and agent-based tooling, taking early prototypes through to production AI-enabled monitoring and debugging workflows that improved visibility into firmware systems.
- Enabled other engineers through training, internal demos, and hands-on knowledge sharing to accelerate broader team adoption of AI-enabled monitoring and debugging workflows.

Intel *SoC Physical Design Backend Developer, C2DG Core Group · Student Position* 2021 — 2023

- Worked in a full-chip integration group across frontend-to-backend delivery, physical design, tool support, and flow development.
- Developed and managed automated central flows for Synopsys and Cadence signoff tools, including FlowTracer-based design execution.
- Supported Formal Equivalence Verification (FEV) full-chip runs and user support.
- Awarded department-head recognition for high-impact closure-flow tool development, mentorship of new team members.

Office of the Prime Minister *Classified Role* 2018 — 2020

EDUCATION

Tel Aviv University *B.Sc., Electrical Engineering & Computer Science* 2019 — 2023

- Majored in Computer Communication (EE) and Information Security (CS).
- Programming tutor in Python, C, and Java; private tutor and mentor in university programs.
- Project work spanning kernel programming, parallel programming, communication systems, and cybersecurity.

SKILLS

Programming Python, C, C++, Java, Tcl, Verilog

Tools & Environments Unix/Linux, Git, Cursor, Claude Code, Codex, AI agents, Cadence, Synopsys, Confluence, SharePoint, MCP, Skills, CLI, Scrum master, firmware verification & debugging tools.

Domains Co-Packaged Optics (CPO), firmware verification, networking, computer communication, information security, kernel & parallel programming, cybersecurity, SoC physical design, signoff flows.

Languages Hebrew (native), English (very good)

MILITARY & LEADERSHIP

IDF Armored Corps *Combat Officer, Deputy Company Commander* 2014 — 2018

- Captain — led operational teams as deputy company commander and platoon commander; awarded a Colonel-level excellence certificate.
- Reserve duty as platoon commander.

ADDITIONAL HIGHLIGHTS

Amit Bar Ilan *Physics & Electronics; Bar Ilan University Nanotechnology Program* 2006 — 2012

- First place in a national Arduino/GPS final-project competition.
- React Native volunteer development at the Hagvurah Hackathon.